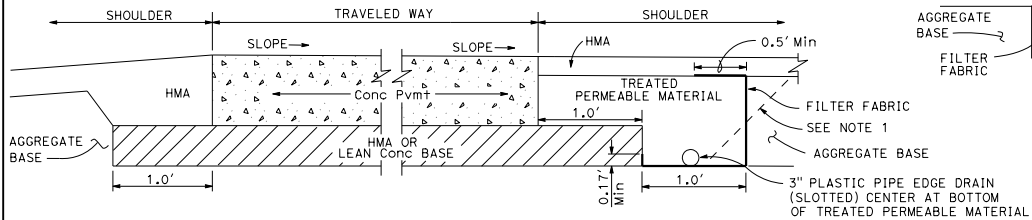
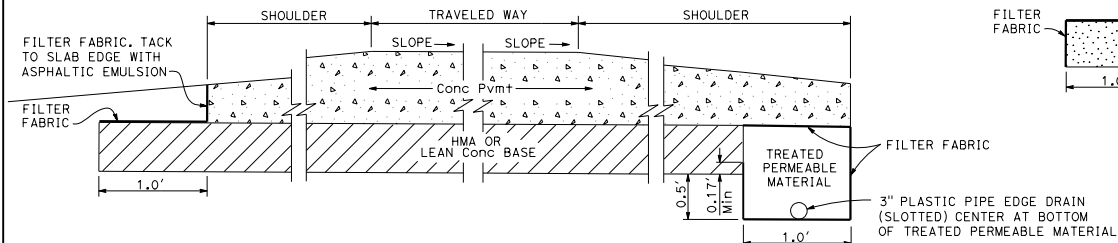


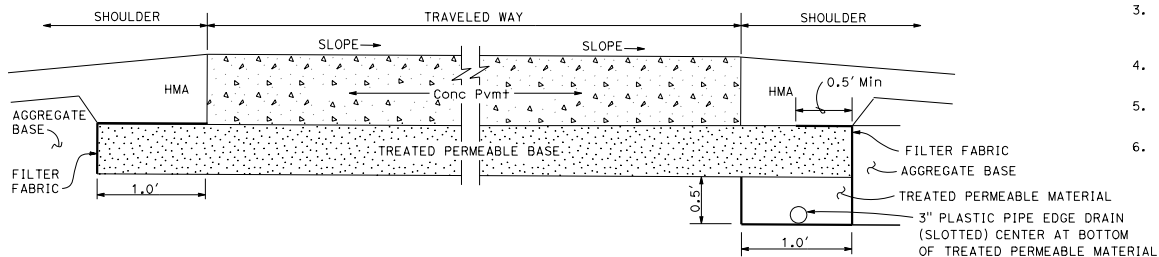
**TYPE 1 PAVEMENT STRUCTURE DRAINAGE SYSTEM**  
(For existing highway facility)



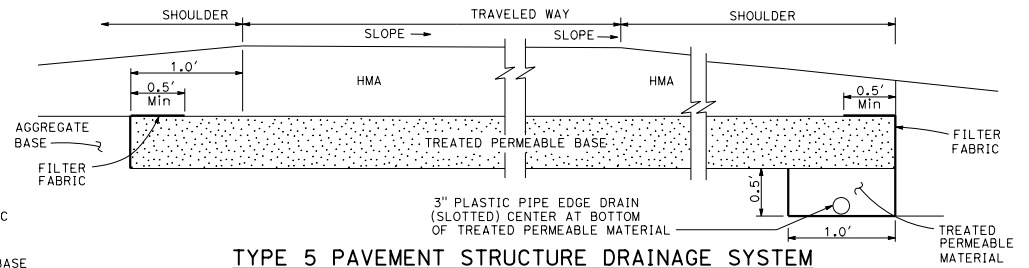
**TYPE 2 PAVEMENT STRUCTURE DRAINAGE SYSTEM**  
(New construction)



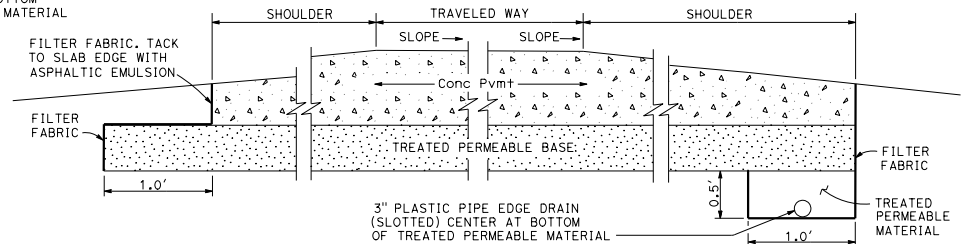
**TYPE 3 PAVEMENT STRUCTURE DRAINAGE SYSTEM**  
(New construction)



**TYPE 4 PAVEMENT STRUCTURE DRAINAGE SYSTEM**  
(New construction)



**TYPE 5 PAVEMENT STRUCTURE DRAINAGE SYSTEM**  
(New construction)



**TYPE 6 PAVEMENT STRUCTURE DRAINAGE SYSTEM**  
(New construction)

**NOTES:**

1. At the Contractor's option, on new construction, the vertical jointline (including the filter fabric) between the treated permeable material and the shoulder base/subgrade material may be rotated about its midpoint to a slope not flatter than 1:1 as shown by the dashed lines.
2. See the project plans and typical cross sections for pavement structure details.
3. The plan layout for pavement structure drainage collector and outlet systems for new concrete pavement and new hot mix asphalt pavement is the same as that shown on Standard Plan P51.
4. For plastic pipe edge drain diameter larger than 3", the minimum trench width shall be equal to the outside diameter of the plastic pipe plus 4".
5. For plastic pipe edge drain diameters larger than 3", all details for 3" plastic pipe edge drain shall apply.
6. For pavements thicker than 0.75', the minimum trench depth is 1.0'.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT STRUCTURE  
DRAINAGE SYSTEM DETAILS**

NO SCALE

**P50**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER  
May 31, 2018  
PLANS APPROVAL DATE  
No. C70117  
EXP. 9-30-18  
CIVIL  
STATE OF CALIFORNIA

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